**Transforming from Vertex to Standard** Name:

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**Part 1**: Vertex Form -> Standard Form

You know the drill: transform all of these vertex form equations into standard form.

1. y = (x + 5)2 + 2 2. y = (x – 1)2 + 8

3. y = (x – 4)2 + 6 4. y = (x + 10)2 – 11

5. y = –(x – 6)2 + 10 6. y = -4(x + 2)2 – 9

7. y = 3(x + 7)2 + 2 8. y = -0.5(x – 4)2 – 5

9. y = 2(x + 8)2 – 50 10. y = 9(x – 11)2 – 100

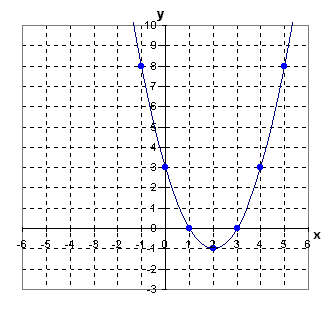
**Part 2**: Graph -> Vertex Form -> Standard form

These will take some time to do.

Follow these directions for the parabolas in this part:

* Write the equation of each parabola in vertex form. (Remember: need vertex and another point!)
* Convert the vertex form to standard form.

1.



2.

